

Impact Area Groundwater Study Program



1803 West Outer Road, Camp Edwards, MA 02542

Neighborhood Notice Monitoring Well Results

May 9, 2007

Dear Neighbor:

Thank you for your patience and cooperation during the recent installation of the monitoring well on Windsong Road. This monitoring well, along with the two installed on Windsong Road in January, is part of the Impact Area Groundwater Study Program's investigation of explosives contamination detected in groundwater at the Massachusetts Military Reservation (MMR) boundary. This notice provides an update on groundwater results received from all three wells.

Groundwater samples collected from the first monitoring well location (J1P-37 on attached figure) revealed a detection of RDX at 0.81 parts per billion (ppb) 149 feet below the ground surface. The second well (J1P-38 on attached figure) showed detections of RDX at 12 ppb and HMX at 0.9 ppb 153 feet below the ground surface. Finally, the third well (J1S-P02 on attached figure) had RDX at 0.28 ppb 178 feet below the ground surface. While neither RDX nor HMX currently have a state or federal drinking water standard, the federal health advisory for RDX in drinking water is 2 ppb and for HMX is 400 ppb. Massachusetts has recently proposed a draft cleanup standard of 1 ppb for RDX and 200 ppb for HMX in groundwater. Homes in your neighborhood are on town water so there is no exposure to this contamination therefore, these detections do not present a health risk to you.

The results were lower than anticipated. These wells, along with the three wells installed on Little Acorn Lane in late 2005, provide valuable information in the area to understand the nature and extent of this plume. At this time we do not anticipate installing any more monitoring wells within the neighborhood. We will continue to monitor groundwater samples taken from all of these well locations to ensure that the contamination is behaving as predicted. Should the results change our understanding of the contamination, we may reevaluate the need for additional monitoring wells in the area.

A treatment system is being constructed to address the contamination in this area. The J-1 Range South Groundwater Rapid Response Action system is designed to capture and treat contaminated groundwater at the base boundary. The system will consist of an extraction well located at the base boundary operating at 75 gallons per minute, a modular treatment unit and an infiltration trench to return treated groundwater to the aquifer. The modular treatment unit will be located near the base boundary. Treated water will be reintroduced into the groundwater through an infiltration trench to be located along the base boundary southwest of the extraction well. Construction of this system is scheduled for this summer. It is anticipated that this system will be operational before the end of 2007.

For further information on this ongoing investigation and the work in the Forestdale area please contact **Pamela Richardson** with the Groundwater Study Program at **508-968-5630** or log on to **groundwaterprogram.army.mil**. Other points of contact for Impact Area Groundwater Study Program activities at the Massachusetts Military Reservation are: Kristina Curley, Groundwater Study Program, (508) 968-5626; Jim Murphy, U.S. EPA New England Region 1, (617) 918-1028; or Ellie Grillo, Massachusetts Department of Environmental Protection, (508) 946-2866.



LEGEND

Proposed Drilling Location

Approximate Monitoring Wells under Construction

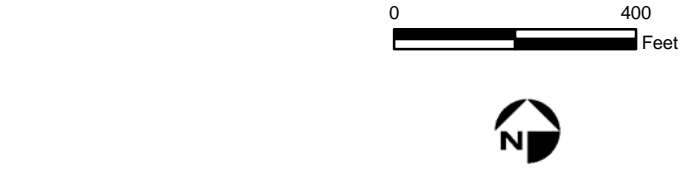
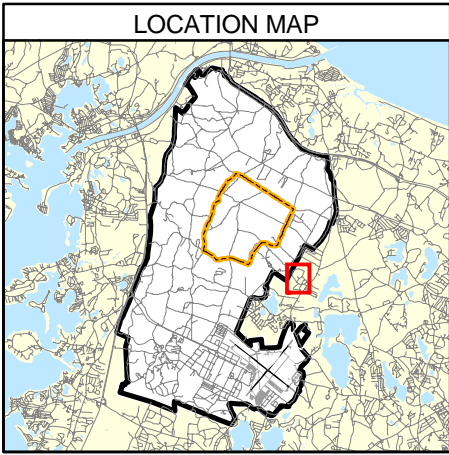
Existing Monitoring Wells

Roads

Southeast Ranges Boundary

Impact Area Boundary

MMR Boundary



NOTES & SOURCES

Map Coordinates: NAD 83, UTM, Zone 19N, Meters

Basemap data from MA ARNG

Sandwich Parcels from MassGIS

DRAFT

ECC MMR

Cape Cod, Massachusetts

J-1 South

Monitoring Well Locations

FIGURE

1